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(71) Applicant: **THOMAS & BETTS CORP <T&B>**(72) Inventor: **XIE LIKE
ALAMGIR MOHAMED
TAMBURRINO PETER C**

(74) Representative:

**(54) METHOD FOR
IMPROVING
AIRTIGHTNESS BY
PROCESSING
CONNECTING LEAD OF
ELECTROCHEMICAL
BATTERY AND
AIRTIGHTLY SEALED
ELECTROCHEMICAL
BATTERY THEREBY**

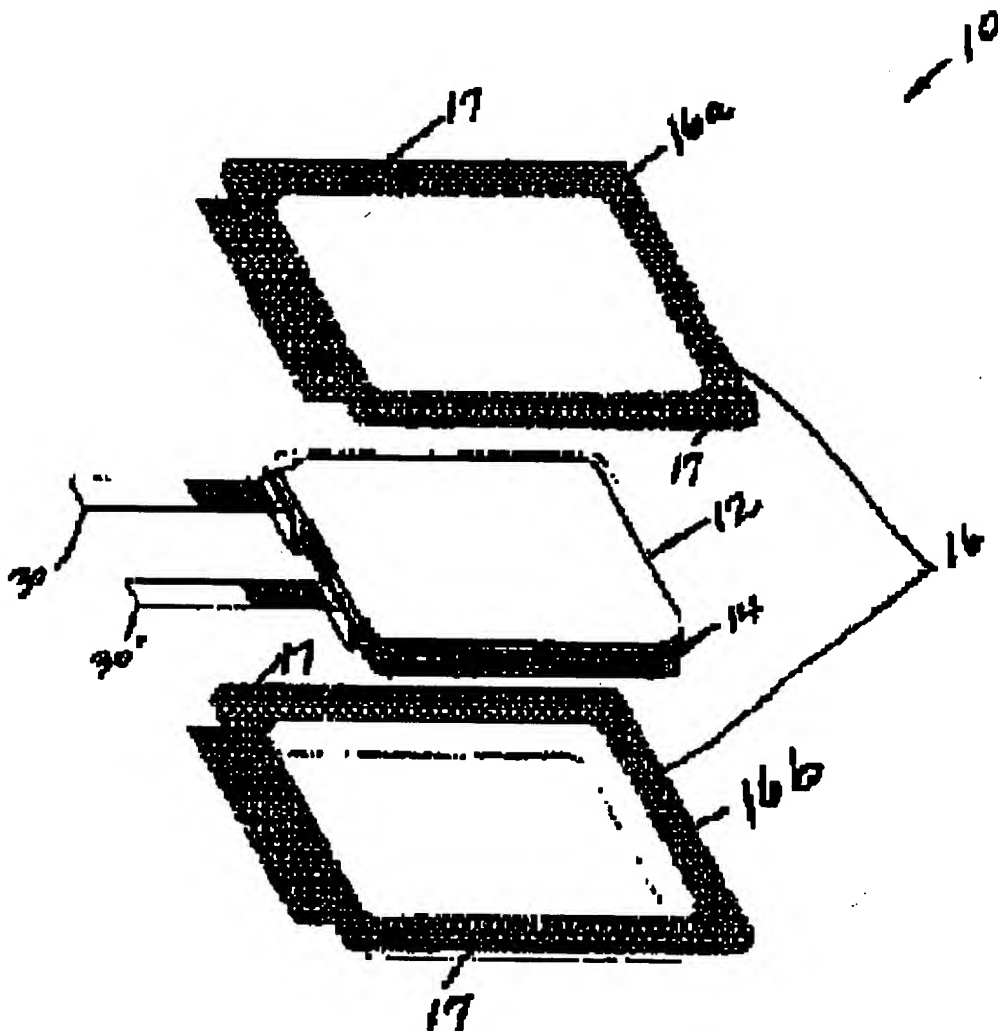
(57) Abstract:

PROBLEM TO BE SOLVED: To secure airtightness and to prevent the deterioration of a battery by coating connecting tabs with a cover made of an airtightly sealing adhesive composition to uniformly cover the connecting tabs, and inserting a battery package so that connecting leads are protruded from a sealing body at sealing positions in the final closure sealing body.

SOLUTION: Tabs 30, 30' serving as connecting leads to a battery 12 having a plurality of bi-cells 14 are made of a metal forming the electric conductive state between the positive

electrode and negative electrode of the battery 12, and their surfaces are covered with a thermally sealable adhesive material for airtight sealing. The covered tabs 30, 30' are welded to corresponding current collectors made of a metal foil. A sealing body 16 is provided with an upper sealing layer 16a and a lower sealing layer 16b located at overlapped positions, and it has a laminated structure for sealing the battery 12 along a sealing rim 17. A completed electrochemical battery assembly 10 is thermally sealed in a final closure sealing body so that the sealed tabs 30, 30' are extended to the outside from the sealing body 16.

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Title: **JP2000311666A2: METHOD FOR IMPROVING AIRTIGHTNESS BY PROCESSING CONNECTING LEAD OF ELECTROCHEMICAL BATTERY AND AIRTIGHTLY SEALED ELECTROCHEMICAL BATTERY THEREBY**

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 Kind: **A2 Document Laid open to Public inspection**

Inventor: **XIE LIKE;
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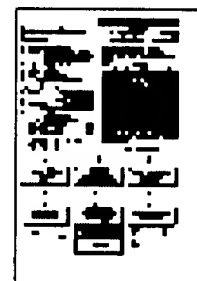
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